

Lab 8

Option Buttons

GOALS:

1. Students will be able to create a program that involves Option Buttons.
2. Students will be able to write code for Option Buttons.

ESSENTIAL QUESTIONS

1. Why are Option Buttons used in programs?
2. Are Option Buttons Click Events?

Option Buttons

Option Buttons are also called radio buttons and is just another way to receive input from the user. Option Buttons are grouped by the **Frame object**. Only one Option can be selected at a time. A Frame must be created first and then you will create the option buttons in the frame.

PREFIXES used for naming Frames & Option Button objects

Frame → fra

Option Buttons → opt

OPTION BUTTON PROPERTIES

Name - starts with the prefix opt

Caption – Option Button label

Value – can be set to True or False to display the option button that has been selected or not selected. Only one option can be true at one time. Changing one button to true, automatically changes the other buttons to false.

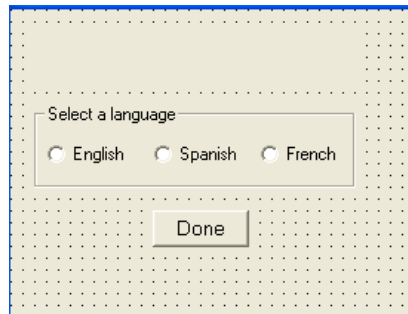
Value can be changed at runtime through the assignment operator. Value is also changed when the user clicks on it.

Alignment – Moves the option button to the left or right of its Captions

Each option button should receive code because it is a click event.

CREATE an OPTION BUTTON PROGRAM

Step 1: Create the following application with the captions. The **Frame** must be create first before option buttons



Step 2 Name the objects

Form1 → frmHelloWorldInternational

Label1 → lblMessage

Frame1 → fraLangauge

Command1 → cmdDone

Option1 → optEnglish

Option2 → optSpanish

Option3 → optFrench

Step 3 Type the following code

Option Explicit

Private Sub Form_Load()

optEnglish.Value = True

lblMessage.Caption = "Hello, world!"

End Sub

Private Sub optEnglish_Click()

lblMessage.Caption = "Hello, world!"

End Sub

Private Sub optSpanish_Click()

lblMessage.Caption = "Hola mundo!"

End Sub

Private Sub optFrench_Click()

lblMessage.Caption = "Bonjour le monde!"

End Sub

Private Sub cmdDone_Click()

Unload Me

End Sub

Step 4 Save & Run

QUESTIONS:

1. How many option buttons can be selected at a time?
2. What is the purpose of the Frame object?
3. Can the value property of the option button be changed at runtime?
4. Why did they put optEnglish.Value = True in the form load procedure?